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Elizabeth J. Haanes Joseph S. Ostroff Frank R. Cottingham Christine M. Lhulier Rae Lynn Prengaman Jane Shershenovich* Lawrence J. Carroll* George S. Bardmesser Daniel A. Klein* Jason D. Eisenberg Michael D. Specht Andrea J. Kamage Tracy L. Muller* LuAnne M. DeSantis John J. Figueroa Ann E. Summerfield Tiera S. Coston* Aric W. Ledford* Michael D. Specht Jessica L. Parezo Timothy A. Doyle* Cynthia M. Bouchez Nicole D. Dretar* Ted J. Ebersole Registered Patent Ac

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*Admitted only in Maryland
Admitted only in Virginia
-Practice Limited to
Federal Agencies

May 18, 2004

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Art Unit 3746

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Utility Patent Application

Application No. 10/706,070; Filed: November 13, 2003

: Integrated Turbine Power Generation System with Catalytic Reactor

Inventors:

Willis et al.

Our Ref:

2066.0230003

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. First Supplemental Information Disclosure Statement;
- 2. Listing of cited document on Form PTO-1449 (14 pages);
- 3. Copies of twelve (12) cited documents (AL1, AM1, AN1 AO1, AP1, AR1, AS1, AT1, AL2, AM2, AN2, and AO2); and
- 4. One Return Postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Sterne, Kessler, Goldstein & Fox PLLLC. : 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

Commissioner for Patents May 18, 2004 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Virgil L. Beaston

Attorney for Applicants Registration No. 47,415

VLB/mhd

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Sterne, Kessler, Goldstein & Fox PLLC.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Willis et al.

Appl. No.: 10/706,070

Filed: November 13, 2003

For: Integrated Turbine Power

Generation System with Catalytic

Reactor

Confirmation No.: 6357

Art Unit: 3746

Examiner: To Be Assigned

Atty. Docket: 2066.0230003

First Supplemental Information Disclosure Statement

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98

Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent

application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

- □ 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed within three months of the date of filing of a national application other than a continued prosecution application (CPA), OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, OR before the mailing date of a first Office Action on the merits OR before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.
- 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.
 - a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first

cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

- b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- c. Attached is our PTO-2038 Credit Card Payment Form in the amount of

 ______ in payment of the fee under 37 C.F.R. § 1.17(p).
- 4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our PTO-2038 Credit Card Payment Form in the amount of \$_____ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:
 - □ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

	□ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of
	information in this Information Disclosure Statement was cited in a
	communication from a foreign patent office in a counterpart foreign
	application and, to my knowledge after making reasonable inquiry, was
	known to any individual designated in 37 C.F.R. § 1.56(c) more than
	three months prior to the filing of this Information Disclosure Statement.
	37 C.F.R. § 1.97(e)(2).
<u></u>	The document(s) was/were cited in a search report by a foreign patent office in a
	counterpart foreign application. Submission of an English language version of
	the search report that indicates the degree of relevance found by the foreign office
	is provided in satisfaction of the requirement for a concise explanation of
	relevance. 1138 OG 37, 38.
☐ 6.	A concise explanation of the relevance of the non-English language document(s) appears below:
⊠ 7.	Copies of the documents AL1, AM1, AN1 AO1, AP1, AR1, AS1, AT1, AL2,
	AM2, AN2, and AO2 are submitted herewith.
□ 8.	Copies of the documents were cited by or submitted to the Office in an IDS that
	complies with 37 C.F.R. § 1.98(a)-(c) in Application No, filed
	, which is relied upon for an earlier filing date under 35 U.S.C.
	§ 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

☑ 9. No copies of U.S. patents and patent application publications cited on the
attached Form PTO-1449 are submitted in accordance with 1276 OG 55 because
this application was filed after June 30, 2003.

- 5 -

■ 10. It is expected that the examiner will review the prosecution and cited art in the parent application nos. 09/933,663, filed August 22, 2001; 09/772,537, filed January 29, 2001; 09/420,494, filed October 19, 1999; and 09/207,817, filed December 8, 1998, in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution history has been reviewed in connection with the present application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Virgil L. Beaston

Attorney for Applicants Registration No. 47,415

Date:

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600

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MAY 1 8 2	जिस्स	FORM PTO-1449		ATTY. DOCKET NO. 2066.0230003 FIRST NAMED INVENTO		APPLICATION NO. 10/706,070	Page 1 of 14
Se s				Jeffrey W. WILLIS			
BIMEN	MATION	I DISCLOSURE ST	ATEMENT	FILING DATE November 13, 2003		ART UNIT 3746	
			USF	PATENT DOCUMENTS		3740	
EXAMINER	T	DOCUMENT	<u> </u>	A.E.H. BOOOMERTO			
INITIAL		NUMBER	DATE	NAME Prachar	CLASS	SUB-CLASS	FILING DATE
	AA1	2,864,244	12/1958	Pracnar			
	AB1	3,124,924	3/1964	Smith			
	AC1	3,250,973	5/1966	Dawson			
	AD1	3,569,809	3/1971	Comer			
	AE1	3,591,844	7/1971	Schonebeck			
	AF1	3,703,076	11/1972	Hagemeister			
	AG1	3,724,214	4/1973	Bryant			
	AH1	3,764,815	10/1973	Habock et al.			
	Al1	3,809,914	5/1974	Kilgore et al.			A h
	AJ1	3,829,758	8/1974	Studtmann			
	AK1	3,937,974	2/1976	Lafuze			
			FOREIC	ON PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	<u> </u>	0 472 294	2/1992	EP	02.00	000 00 100	Yes
	AL1						No
	AM1	0 679 800	11/1995	EP			Yes
	AWII	0 837 231	4/1998	EP			No Yes
	AN1						No
	1001	0 901 218	3/1999	EP			Yes
	AO1	WO 94/27359	11/1994	wo			No Yes
	AP1		,				No
		OTHER (Including Au	thor, Title, Date, Pertine	ent Pages, et	c.)	
	AR	Japanese 9	Patent Applicati Serial No. 1330	on entitled "Turbogenerator 03/1999.	/Motor Control :	System"; filed Ma	y 13, 1999,
	AS	Japanese Patent Application entitled "Command and Control System and Method for Multiple Turbogenerators", filed October 27, 1999, Japanese Serial No. 305375/1999. Japanese Patent Application entitled "Turbogenerator/Motor Controller", filed August 4, 1998, Japanes Serial No.220231/1998.					
	АТ						
EXAMINER					DAT	E CONSIDERED	
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	ATTY. DOCKET NO. 2066.0230003	APPLICATION NO. 10/706,070	
FORM PTO-1449	FIRST NAMED INVENTOR		
	Jeffrey W. WILLIS		
INFORMATION DISCLOSURE STATEMENT	FILING DATE	ART UNIT	
	November 13, 2003	3746	

			U.S.	PATENT DOCUMENTS			
EXAMINER		DOCUMENT	DATE	NAME	61.400	CLIB OLAGO	FILING DATE
INITIAL	AA2	3,991,357	DATE 11/1976	NAME Kaminski	CLASS	SUB-CLASS	FILING DATE
	AB2	4,005,581	2/1977	Aanstad	;		
	AC2	4,015,187	3/1977	Sasaki et al.			
	AD2	4,039,914	8/1977	Steigerwald et al.			
	AE2	4,093,869	6/1978	Hoffmann et al.	· ·		
	AF2	4,119,861	10/1978	Gocho			
	AG2	4,258,424	3/1981	Giras et al.			-
	AH2	4,265,099	5/1981	Johnson et al.			
	Al2	4,292,534	9/1981	Diegel et al.			
	AJ2	4,340,820	7/1982	Meyer-Pittroff et al.			
	AK2	4,401,938	8/1983	Cronin			
		<u> </u>	FORFIG	N PATENT DOCUMENTS	<u> </u>		
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL2	WO 98/25014	6/1998	wo			Yes
	AM2	WO 99/32762	7/1999	wo			No Yes No
-	AN2	WO 99/52193	10/1999	wo			Yes No
	AO2	WO 00/28191	5/2000	wo			Yes
	AP2						No Yes No
	17.11 2	OTHER	(Including Au	ıthor, Title, Date, Pertine	nt Pages, etc.)	110
	AR	2					
	AS	2					
	АТ	2					
EXAMINER					DATE	CONSIDERED	
EXAMINER: Ini and not consider	tial if refer red. Inclu	rence considered, who	ether or not citation	on is in conformance with MPEP ication to Applicant.	609. Draw line thr	ough citation if no	t in conformance

		Page 3 of 14
	ATTY. DOCKET NO. 2066.0230003	APPLICATION NO. 10/706,070
FORM PTO-1449	FIRST NAMED INVENTOR	
	Jeffrey W. WILLIS	
INFORMATION DISCLOSURE STATEMENT	FILING DATE	ART UNIT
	November 13, 2003	3746

				PATENT DOCUMENT	TS		
EXAMINER INITIAL		DOCUMEN NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
_	AA3	4,442,385	4/1984	Van Sickle			
	AB3	4,471,229	9/1984	Plohn et al.			
	AC3	4,481,459	11/1984	Mehl et al.			
	AD3	4,498,551	2/1985	Arbisi			
	AE3	4,551,980	11/1985	Bronicki			
	AF3	4,560,364	12/1985	Cohen			
	AG3	4,565,957	1/1986	Gary et al.			
-	АН3	4,684,814	8/1987	Radomski			
	AI3	4,709,318	11/1987	Gephart et al.			
	AJ3	4,719,550	1/1988	Powell et al.			
	AK3	4,730,397	3/1988	Weiford et al.			
			FOREIC	N PATENT DOCUME	ENTS		<u> </u>
EXAMINER INITIAL		DOCUME NUMBER		COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL3						Yes No
	АМЗ						Yes No
	AN3						Yes
	AO3						No Yes
	AP3						No Yes
	<u> [] </u>) OTI	HER (Including Au	uthor, Title, Date, Per	tinent Pages, etc.)	<u> </u>	No
	AR	3					
	AS	3					
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EXAMINER						CONSIDERED	
EXAMINER: In and not conside	itial if refer red. Includ	ence considere de copy of this	d, whether or not citation form with next commun	on is in conformance with Mication to Applicant.	IPEP 609. Draw line thro	ough citation if no	t in conformance

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	-	Page 4 of 14
	ATTY. DOCKET NO. 2066.0230003	APPLICATION NO. 10/706,070
FORM PTO-1449	FIRST NAMED INVENTOR	
	Jeffrey W. WILLIS	
INFORMATION DISCLOSURE STATEMENT	FILING DATE	ART UNIT
	November 13, 2003	3746

NUMBER				U.S. I	PATENT DOCUMENTS			
AB4 4,757,686 7/1988 Kawamura et al. AC4 4,772,802 9/1988 Glennon et al. AD4 4,786,852 11/1988 Cook AE4 4,802,882 2/1989 Heidrich AF4 4,830,412 5/1989 Raad et al. AG4 4,833,887 5/1989 Kawamura et al. AH4 4,841,216 6/1989 Okada et al. AI4 4,862,009 8/1989 King AJ4 4,883,973 11/1989 Lakey et al. AK4 4,908,565 3/1990 Cook et al. FOREIGN PATENT DOCUMENTS NITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes No AM4 AM4 No AM4	EXAMINER INITIAL		NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AC4 4,772,802 9/1988 Glennon et al. AD4 4,786,852 11/1988 Cook AE4 4,802,882 2/1989 Heidrich AF4 4,830,412 5/1989 Raad et al. AG4 4,833,887 5/1989 Kawamura et al. AH4 4,841,216 6/1989 Okada et al. AI4 4,862,009 8/1989 King AJ4 4,883,973 11/1989 Lakey et al. AK4 4,908,565 3/1990 Cook et al. FOREIGN PATENT DOCUMENTS EXAMINER NITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes No Yes No AM4 AM4 NA YES NO YES NO AM4 AN4 NA YES NO YES NO AM4 AN4 NA YES NO AM4 AC4 NA YES NO YES NO AM4 AC5 NO YES NO YES NO AM4 AC6 NA YES NO YES NO AM4 AC7 YES NO YES NO AM4 AC8 NO YES NO YES NO AM4 AC8 NO YES NO YES NO YES NO AM4 AC9 NO YES NO YES NO YES NO AM4 AC9 NO YES NO YES NO YES NO AM4 AC9 NO YES NO YES NO YES NO AM4 AC9		AA4	4,754,607	7/1988	Mackay			
AD4 4,786,852 11/1988 Cook AE4 4,802,862 2/1989 Heidrich AF4 4,830,412 5/1989 Raad et al. AG4 4,833,887 5/1989 Kawamura et al. AH4 4,841,216 6/1989 Okada et al. AI4 4,862,009 8/1989 King AJ4 4,883,973 11/1989 Lakey et al. AK4 4,908,565 3/1990 Cook et al. FOREIGN PATENT DOCUMENTS EXAMINER NITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes No Yes No AM4 AM4 SUB-CLASS TRANSLATION Yes No AM4 No		AB4	4,757,686	7/1988	Kawamura et al.			
AE4 4,802,882 2/1989 Heidrich AF4 4,830,412 5/1989 Raad et al. AG4 4,833,887 5/1989 Kawamura et al. AH4 4,841,216 6/1989 Okada et al. AI4 4,862,009 8/1989 King AJ4 4,883,973 11/1989 Lakey et al. AK4 4,908,565 3/1990 Cook et al. FOREIGN PATENT DOCUMENTS EXAMINER NITIAL AL4 DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes No AM4 AM4 Yes AM4 AM4 Yes AM4 AC4 Yes No AC4 AC6 AC7		AC4	4,772,802	9/1988	Glennon et al.			
AF4 4,830,412 5/1989 Raad et al. AG4 4,833,887 5/1989 Kawamura et al. AH4 4,841,216 6/1989 Okada et al. AI4 4,862,009 8/1989 King AJ4 4,883,973 11/1989 Lakey et al. AK4 4,908,565 3/1990 Cook et al. FOREIGN PATENT DOCUMENTS EXAMINER NITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes No AM4 Yes AN4 Yes AN4 No AN5		AD4	4,786,852	11/1988	Cook	-		
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AH4 4,841,216 6/1989 Okada et al. AI4 4,862,009 8/1989 King AJ4 4,883,973 11/1989 Lakey et al. AK4 4,908,565 3/1990 Cook et al. FOREIGN PATENT DOCUMENTS EXAMINER NITIAL DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes No AN4		AF4	4,830,412	5/1989	Raad et al.			
AI4 4,862,009 8/1989 King AJ4 4,883,973 11/1989 Lakey et al. AK4 4,908,565 3/1990 Cook et al. FOREIGN PATENT DOCUMENTS EXAMINER NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes No AM4		AG4	4,833,887	5/1989	Kawamura et al.			
AJ4 4,883,973 11/1989 Lakey et al. AK4 4,908,565 3/1990 Cook et al. FOREIGN PATENT DOCUMENTS EXAMINER NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes No Yes AN4 Sub-Class No Yes No Yes No AN4 Sub-Class TRANSLATION Yes No AN4 Sub-Class TRANSLATION Yes No AN4 Sub-Class Tran		AH4	4,841,216	6/1989	Okada et al.			
AK4		Al4	4,862,009	8/1989	King			
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AL4 AM4 AN4 ADCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.)		AK4	4,908,565	3/1990	Cook et al.			
AL4 AM4 AN4 ADCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.)				FOREIG	N PATENT DOCUMENTS	S		1
AL4 AM4 AM4 AN4 AN4 AO4 AP4 OTHER (Including Author, Title, Date, Pertinent Pages, etc.)	EXAMINER INITIAL						SUB-CLASS	TRANSLATION
AM4 AN4 AN4 AO4 AP4 OTHER (Including Author, Title, Date, Pertinent Pages, etc.)		AL4						Yes
AN4 AO4 AP4 OTHER (Including Author, Title, Date, Pertinent Pages, etc.)		AM4						Yes
AO4 AP4 OTHER (Including Author, Title, Date, Pertinent Pages, etc.)		AN4						Yes
OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Yes No								Yes
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	EXAMINER: In and not conside	itial if refere	ence considered, while copy of this form	nether or not citatio	n is in conformance with MPEP cation to Applicant	609. Draw line thr	ough citation if no	t in conformance

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	ATTY. DOCKET NO. 2066.0230003	APPLICATION NO. 10/706,070
FORM PTO-1449	FIRST NAMED INVENTOR	
	Jeffrey W. WILLIS	
INFORMATION DISCLOSURE STATEMENT	FILING DATE	ART UNIT
	November 13, 2003	3746

EXAMINER	1	DOCUMENT	<u> </u>	PATENT DOCUMENTS	<u> </u>	T	<u> </u>
NITIAL		NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA5	4,939,441	7/1990	Dhyanchand			
	AB5	4,955,199	9/1990	Kawamura			
	AC5	4,967,096	10/1990	Diemer et al.			
	AD5	4,968,926	11/1990	Dhyanchand			
	AE5	4,982,569	1/1991	Bronicki			
	AF5	5,013,929	5/1991	Dhyanchand			
	AG5	5,015,941	5/1991	Dhyanchand			
	AH5	5,029,062	7/1991	Capel			
	AI5	5,038,566	8/1991	Hara			
	AJ5	5,055,764	10/1991	Rozman et al.			
	AK5	5,057,763	10/1991	Torii et al.			
· · · · · · · · · · · · · · · · · · ·			FOREIG	GN PATENT DOCUMEN	ITS		I
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL5						Ye N
	AM5						Ye N
	AN5						Ye N
	AO5						Ye N
	AP5						Ye N
		OTHER	(Including A	uthor, Title, Date, Perti	nent Pages, etc.	.)	
	AR	5					
	AS	<u>5</u>					
	АТ	<u>5</u>					
EXAMINER					DATE	CONSIDERED	

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	ATTY. DOCKET NO. 2066.0230003	APPLICATION NO. 10/706,070	
FORM PTO-1449	FIRST NAMED INVENTOR		
	Jeffrey W. WILLIS		
INFORMATION DISCLOSURE STATEMENT	FILING DATE	ART UNIT	
	November 13, 2003	3746	

			U.S.	PATENT DOCUMENTS			
EXAMINER		DOCUMENT					
INITIAL	AA6	NUMBER 5,068,590	DATE 11/1991	NAME Glennon et al.	CLASS	SUB-CLASS	FILING DATE
	AAO	5,000,590	11/1991	Glennon et al.			
	AB6	5,088,286	2/1992	Muraji			
	AC6	5,097,195	3/1992	Raad et al.			
	AD6	5,115,183	5/1992	Kyoukane et al.			
	AE6	5,158,504	10/1992	Stocco			
	AF6	5,191,520	3/1993	Eckersley			
	AG6	5,214,371	5/1993	Naidu			
	AH6	5,237,260	8/1993	Takakado et al.			
	Al6	5,250,890	10/1993	Tanamachi et al.			
	AJ6	5,252,860	10/1993	McCarty et al.			
	AK6	5,260,637	11/1993	Pizzi			
			FOREIC	ON PATENT DOCUMENT	rs		
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL6		- 4				Yes No
	AM6						Yes No
	AN6						Yes No
	A06	X N					Yes No
	AP6						Yes No
		OTHER	र (Including A	uthor, Title, Date, Pertine	ent Pages, etc.)		_
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	ATTY, DOCKET NO.	APPLICATION NO.	
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	November 13, 2003	3746	

			U.S.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA7	5,281,905	1/1994	Dhyanchand et al.			
	AB7	5,291,106	3/1994	Murty et al.			
	AC7	5,309,081	5/1994	Shah et al.			
	AD7	5,325,043	6/1994	Parro			
	AE7	5,345,154	9/1994	King			
	AF7	5,363,032	11/1994	Hanson et al.			
	AG7	5,364,309	11/1994	Heidrich et al.			
	AH7	5,373,195	12/1994	De Doncker et al.			
	AI7	5,381,081	1/1995	Radun			
	AJ7	5,387,859	2/1995	Murugan et al.			
	AK7	5,404,092	4/1995	Gegner			
			FOREIG	N PATENT DOCUMENTS			1
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL7					000 00.00	Yes
	AM7						Yes No
	AN7						Yes No
	AO7						Yes
\	AP7						Yes
		OTHER	(Including Au	thor, Title, Date, Pertiner	nt Pages, etc.)		No
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EXAMINER					DATE	CONSIDERED	
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and not conside	ered. Includ	e copy of this form	with next communi	cation to Applicant.			

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			U.S.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA8	5,406,797	4/1995	Kawamura			
	AB8	5,428,275	6/1995	Carr et al.			
	AC8	5,430,362	7/1995	Carr et al.			
	AD8	5,477,091	12/1995	Fiorina et al.			
	AE8	5,488,286	1/1996	Rozman et al.			
	AF8	5,495,162	2/1996	Rozman et al.			
	AG8	5,495,163	2/1996	Rozman et al.			
	AH8	5,510,696	4/1996	Naidu <i>et al.</i>			
	Al8	5,512,811	4/1996	Latos et al.			
	AJ8	5,544,484	8/1996	Voss et al.			
	AK8	5,545,090	8/1996	Kirschey			
		I	FOREI	GN PATENT DOCUMEN	TS	<u>. </u>	<u> </u>
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL8						Yes No
	AM8		,, ,,,,,, <u>,</u>				Yes No
	AN8						Yes No
	AO8		315	114			Yes
	AP8						No Yes
		OTHER	(Including A	uthor, Title, Date, Pertin	ent Pages, etc.)	No
	AR	8					
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EXAMINER					DATE	CONSIDERED	
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	•		U.S. P	ATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
INTIAL	AA9	5,546,742	8/1996	Shekhawat et al.	CLASS	30B-CLASS	FILING DATE
	AB9	5,550,410	8/1996	Titus			
	AC9	5,550,455	8/1996	Baker			
	AD9	5,559,421	9/1996	Miyakawa			
	AE9	5,563,802	10/1996	Plahn et al.			
	AF9	5,568,023	10/1996	Grayer et al.	-		-
	AG9	5,572,108	11/1996	Windes			
	АН9	5,581,168	12/1996	Rozman et al.			
	Al9	5,587,647	12/1996	Bansal et al.			
	AJ9	5,594,322	1/1997	Rozman et al.			
	AK9	5,637,987	6/1997	Fattic et al.	-		
		l	FOREIGN	PATENT DOCUMENTS	k		
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL9						Yes No
	AM9						Yes No
	AN9						Yes No
	A09				ULT TE		Yes No
	AP9						Yes No
	1	OTHER	(Including Aut	hor, Title, Date, Pertinent	Pages, etc.))	140
	AR	9					
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			U.S. I	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA10	5,646,458	7/1997	Bowyer et al.			
	AB10	5,656,915	8/1997	Eaves			
	AC10	5,743,227	4/1998	Jacquet et al.			
	AD10	5,767,637	6/1998	Lansberry			
	AE10	5,789,881	8/1998	Egami et al.			
	AF10	5,799,484	9/1998	Nims			
	AG10	5,819,524	10/1998	Bosley et al.			
	AH10	5,847,522	12/1998	Barba			
	Al10	5,903,116	5/1999	Geis et al.			
	AJ10	5,905,346	5/1999	Yamada et al.			
	AK10	5,929,537	7/1999	Glennon			
		<u> </u>	FOREIG	N PATENT DOCUMEN	TS	1	
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL10						Yes No
	AM10						Yes No
	AN10						Yes No
	AO10						Yes No
	AP10						Yes
	_ [APIU	OTHE	R (Including Au	thor, Title, Date, Pertin	ent Pages, etc.	\	No
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			U.S.	PATENT DOCUMENTS	S		
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA11	5,936,312	8/1999	Koide et al.			
	AB11	5,939,794	8/1999	Sakai et al.			
	AC11	5,946,086	8/1999	Bruce			
	AD11	5,982,645	11/1999	Levran et al.	-		
-	AE11	5,998,976	12/1999	Steffan			
	AF11	6,005,297	12/1999	Sasaki et al.			
_	AG11	6,020,713	2/2000	Geis et al.			
	AH11	6,023,135	2/2000	Gilbreth et al.			
	Al11	6,031,294	2/2000	Geis et al.			
	AJ11	6,051,951	4/2000	Arai et al.			
	AK11	6,054,776	4/2000	Sumi		<u> </u>	
			FOREIC	N PATENT DOCUME	NTS		
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL11						Yes No
	AM11						Yes No
	AN11						Yes No
	AO11				JA Ja		Yes No
	AP11						Yes No
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			U.S.	PATENT DOCUMENTS			
EXAMINER		DOCUMENT					
INITIAL	AA12	NUMBER 6,064,122	DATE 5/2000	NAME McConnell	CLASS	SUB-CLASS	FILING DATE
					/		
	AB12	6,087,734	7/2000	Maeda et al.			
	AC12	6,107,775	8/2000	Rice et al.			
	AD12	6,147,414	11/2000	McConnell et al.			
	AE12	6,153,942	11/2000	Roseman et al.			
	AF12	6,169,332 B1	1/2001	Taylor et al.			
	AG12	6,169,334 B1	1/2001	Edelman			
	AH12	6,175,210 B1	1/2001	Schwartz et al.			
	Al12	6,194,794 B1	2/2001	Lampe et al.			
	AJ12	6,093,975	7/2000	Peticolas		· · · · · · · · · · · · · · · · · · ·	
	AK12	6,526,757	03/2003	Mackay			
			FOREIC	ON PATENT DOCUMEN	TS	<u>. </u>	
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL12		2				Yes No
	AM12						Yes No
	AN12						Yes No
	AO12	i i					Yes No
	AP12						Yes No
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U.S. PATENT DOCUMENTS									
EXAMINER INITIAL		DOCUM NUMBER	₹	DATE	NAME		CLASS	SUB-CLASS	FILING DATE
	AA13	6,606,8	64	08/2003	Mackay				
	AB13	3,500,1	05	02/1971	Clifford				
	AC13	3,623,3	17	11/1971	Foster-Pegg				-
	AD13	4 ,062,1	84	12/1977	Hagen				
	AE13	4,724,6	70	02/1988	Greer				
	AF13	4,781,5	27	11/1988	Miller				
	AG13			11/1988	Smith et al.				
	AH13			12/1956	Yates				
	Al13	3,161,0	20	12/1964	LaHaye			 	
	AJ13	3,313,1	03	01/1967	Johnson			-	
	AK13	4,039,8	04	, 08/1977	Reed et al.				
				FOREIG	N PATENT DOCU	MENTS			L
EXAMINER INITIAL		DOCUM NUMBER		DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION
	AL13								Yes No
	AM13								Yes No
	AN13								Yes No
	AO13								Yes No
	AP13								Yes No
			THER (Including Au	thor, Title, Date, F	Pertinent Pa	ges, etc.)	110
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	U.S. PATENT DOCUMENTS								
EXAMINER		DOCUMENT	DATE	NAME	0,400	0115 01 100	50,000,000		
INITIAL	AA14	NUMBER 6,487,096	DATE 11/2002	NAME Gilbreth et al.	CLASS	SUB-CLASS	FILING DATE		
	AB14	20020099476	07/2002	Hamrin et al.					
	AC14	3,313,103	04/1967	Johnson					
	AD14	3,740,948	01/1973	Kellett					
	AE14	5,490,376	02/1996	Van Der Burgt					
	AF14	6,003,297	12/1999	Ziener					
	AG14	2,285,976	06/1942	Huitson					
	AH14	3,396,083	03/1946	Chase					
	Al14								
	AJ14				<u> </u>				
	AK14					-			
		<u></u>	FOREIGN	N PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL14						Yes No		
	AM14						Yes No		
	AN14						Yes No		
	AO14						Yes No		
	AP14						Yes No		
		OTHER	(Including Aut	hor, Title, Date, Pertinent	Pages, etc.)			
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